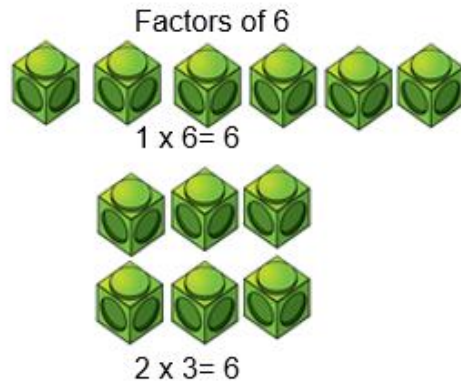


# KIRF: I can identify common factors of a pair of numbers.

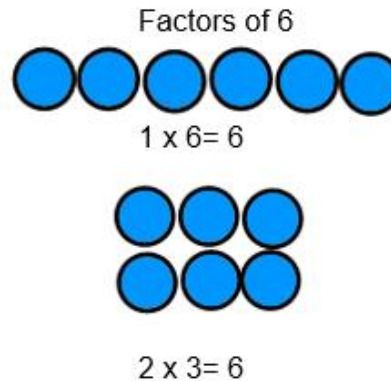
Children should be able to use their knowledge of factors to find the common factors of two numbers.

Concrete:

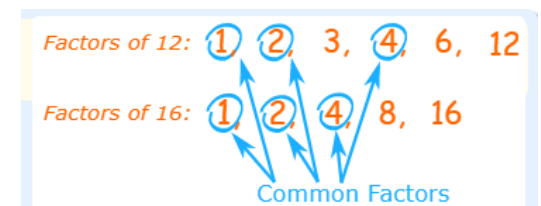


What can this look like?

Pictorial:



Abstract:



Questions to ask at home

What are the **common factors** of 18 and 21?

Is 12 a **common factor** of 48 and 36?

What is the highest **common factor** of 12 and 24?

Key vocabulary

**Array**- An ordered collection of counters, cubes or other item in rows and columns.

**Common factors**- A number that can be divided into two different numbers, without leaving a remainder.

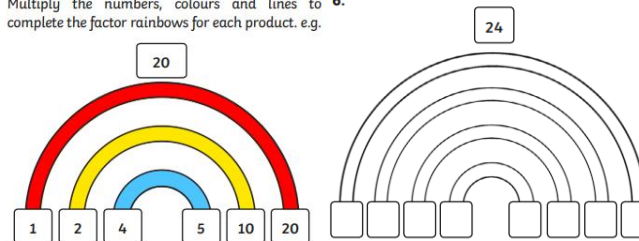
**Factor**- A number that multiplies with another to make a product.

**Product**- The result of multiplying one number by another.

Things to try

**Factor Rainbows**- children can draw, paint or chalk factor rainbows.

Multiply the numbers, colours and lines to 6. complete the factor rainbows for each product. e.g.



**Websites:**

<https://www.topmarks.co.uk/maths-games/multiples-and-factors>

<https://www.mathnook.com/math/math-speed-racing-factors.html>

[https://www.math-play.com/Factors-Millionaire/factors-millionaire-game\\_html5.html](https://www.math-play.com/Factors-Millionaire/factors-millionaire-game_html5.html)

<https://whiterosemaths.com/homelearning/year-5/week-8-number-multiplication-division/>